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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

Proceeding	91177234
Party	Plaintiff Cardinal Health 303, Inc.
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SmartSite® Gravity Sets

Administration sets for use as gravity sets. All sets on this page are Latex-Free and DEHP-Free. SmartSite® Safety Disposables eliminate the need for needles, blunt cannulas and add on components.

SmartSite® Gravity Sets (DEHP-Free)

Model #	Drops (mL)	Description	Case quantity
41173E	20	 <p>Vented/non-vented gravity set with 1 needle-free valve port.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	100
42081E	20	 <p>Non-vented gravity blood set with 180 micron blood filter, 1 needle-free valve port, 9" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 30 mL</p>	20
42502E	10	 <p>Vented/non-vented gravity set with check valve and 1 needle-free valve port, 60" from male luer lock; 4-way hi-flow, lipid resistant stopcock; extension set, 2 one-way valves; extension set, 40", 1 needle-free valve port 9" from male luer lock.</p> <p>Approximate set length: 123" 313 cm. approx.</p> <p>Approximate priming volume: 21 mL</p>	50
42503E	10	 <p>Vented/non-vented gravity set with check valve and 2 needle-free valve ports, 6" and 9" from male luer lock; 4-way hi-flow, lipid resistant stopcock; extension set, 40", 1 needle-free valve port 6" from male luer lock.</p> <p>Approximate set length: 103" 262 cm. approx</p> <p>Approximate priming volume: 18 mL</p>	100
42504E	10	 <p>Vented/non-vented gravity set with check valve and 1 needle-free valve port 60" from male luer lock; 3-ganged, 4-way hi-flow, lipid resistant stopcocks; extension set, 36" with 1 needle-free valve port.</p> <p>Approximate set length: 116" 295 cm. approx</p> <p>Approximate priming volume: 20 mL</p>	50

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SmartSite® Gravity Sets (DEHP-Free)

Model #	Drops (mL)	Description	Case quantity
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43100E



Vented/non-vented gravity set with 1 needle-free valve port and flow regulator.
Approximate set length: 84" 216 cm. approx.
Approximate priming volume: 13.3 mL

DEHP-Free

50

43200E



Vented/non-vented gravity set with check valve, 1 needle-free valve port and flow regulator.
Approximate set length: 84" 216 cm. approx.
Approximate priming volume: 13.1 mL

DEHP-Free

50

47176E



Vented/non-vented gravity set with check valve, 2 needle-free valve ports, 4" and 78" from male luer lock.
Approximate set length: 104" 264 cm. approx.
Approximate priming volume: 19 mL

DEHP-Free

100

47177E



Vented/non-vented gravity set with check valve, 2 needle-free valve ports, 4" and 78" from male luer lock.
Approximate set length: 104" 264 cm. approx.
Approximate priming volume: 18 mL

DEHP-Free

100

47233E



Vented/non-vented gravity set with check valve, 2 needle-free valve ports.
Approximate set length: 104" 264 cm. approx.
Approximate priming volume: 18 mL

DEHP-Free

100

82113E



150mL Add-on burette with 1 needle-free valve port.
Approximate set length: 22" 56 cm. approx.

DEHP-Free

20

82114E



150mL Add-on burette with 1 needle-free valve port with pigtail.
Approximate set length: 24" 61 cm. approx.

DEHP-Free




20

SmartSite® Gravity Sets
(DEHP-Free)

SmartSite® Gravity Sets

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SmartSite® Gravity Sets

Model #	Drops (mL)	Description	Case quantity
42173E	20	 <p>Vented/non-vented gravity set with 1 needle-free valve port, 10" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	100
42193E	20	 <p>Vented/non-vented gravity set with check valve and 1 needle-free valve port, 10" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	100
42233E	60	 <p>Vented/non-vented gravity set with check valve and 2 needle-free valve ports, 10" and 87" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	100
42273E	20	 <p>Vented/non-vented gravity set with check valve and 2 needle-free valve ports, 10" and 87" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	100
42293E	20	 <p>Vented/non-vented gravity set with check valve and 2 needle-free valve ports, 10" and 84" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	100

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SmartSite® Gravity Sets

Model #	Drops (mL)	Description	Case quantity
42433E	60	 <p>Vented/non-vented gravity set with check valve and 3 needle-free valve ports, 10", 42", and 88" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	100
42493E	20	 <p>Vented/non-vented gravity set with check valve and 3 needle-free valve ports, 10", 42", and 88" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	100
42511E	20	 <p>Vented/non-vented gravity set with check valve and 1 needle-free valve port, one 4-way stopcock, 2 one-way valves, and extension set with 1 needle-free valve port.</p> <p>Approximate set length: 115" 297 cm. approx.</p> <p>Approximate priming volume: 21 mL</p>	20
42519E	20	 <p>Vented/non-vented gravity set with check valve, manifold with 3 one-way valves, and 2 needle-free valve ports.</p> <p>Approximate set length: 117" 297 cm. approx.</p> <p>Approximate priming volume: 20 mL</p>	20
42933E	20	 <p>Vented/non-vented gravity set with check valve, 0.2 (low protein binding) micron filter, and 2 needle-free valve ports, 10" and 42" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 22 mL</p>	50
41134E	10	 <p>Vented/non-vented gravity set with check valve and 3 needle-free valve ports, 4", 23", and 83" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 15 mL</p>	100

SmartSite® Gravity Sets









Administration sets for use as gravity sets. All sets are Latex-Free. SmartSite® Safety Disposables eliminate the need for needles, blunt cannulas and add on components

SmartSite® Gravity Sets

Model #	Drops (mL)	Description	Case quantity
42080E	15	 <p>Non-vented blood set with 180 micron filter and 1 needle-free valve port, 10" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 32 mL</p>	20
42082E	20	 <p>Non-vented blood set with 200 micron filter and 2 needle-free valve ports, 10" and 50" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 32 mL</p>	20
42133E	60	 <p>Vented/non-vented gravity set with 2 needle-free valve ports, 10" and 87" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	100
42163E	60	 <p>Vented/non-vented gravity set with 150 mL burette and 2 needle-free valve ports, 10" and 87" from male luer lock.</p> <p>Approximate set length: 104" 264 cm. approx.</p> <p>Approximate priming volume: 17 mL</p>	10

SmartSite® Gravity Sets




Administration sets for use as gravity sets. All sets are Latex-Free. SmartSite® Safety Disposables eliminate the need for needles, blunt cannulas and add on components.

SmartSite® Gravity Sets				
Model #	Drops (mL)	Description	Case quantity	
41176E				
		Vented/non-vented gravity set and 2 needle-free valve ports, 4" and 78" from male luer lock.	50	
		Approximate set length: 104" 264 cm. approx. Approximate priming volume: 19 mL		
41177E				
		Vented/non-vented gravity set with check valve and 2 needle-free valve ports, 4" and 83" from male luer lock.	50	
		Approximate set length: 104" 264 cm. approx. Approximate priming volume: 18 mL		
C42002E				
		Vented/non-vented gravity set, check valve and 2 needle-free valve ports, 26" and 104" from male luer lock. Fixed male luer lock.	100	
		Approximate set length: 128" 325 cm. approx. Approximate priming volume: 19 mL		
C42007E				
		Vented/non-vented gravity set, check valve and 3 needle-free valve ports, 24", 29" and 54" from male luer lock; extension set, 24", 1 needle-free valve port, 18" from male luer lock.	100	
		Approximate set length: 119" 302 cm. approx. Approximate priming volume: 19 mL		

SmartSite® Gravity Sets

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SmartSite® Gravity Sets

Model #	Drops (mL)	Description	Case quantity
C42010E	10	 <p>Vented/non vented gravity set, check valve, 2 needle-free valve ports, 4" and 83" from male luer lock; extension set 35" with 4-way stopcock, 1 needle-free valve port, 6" from male luer lock.</p> <p>Approximate set length: 142" 360 cm. approx.</p> <p>Approximate priming volume: 22 mL</p>	100
C42012E	10	 <p>Vented/non vented gravity set with check valve, 1 needle-free valve port, 37" from male luer lock, extension set, 38" with 3 one-way valves; extension set, 10", check valve, 1 needle-free valve port 7" from male luer lock.</p> <p>Approximate set length: 105" 267 cm. approx.</p> <p>Approximate priming volume: 20 mL</p>	50
82104E	60	 <p>Vented/non vented gravity set, 150 mL burette with drip chamber with ball valve, 2 needle-free valve ports, 10" from male luer lock.</p> <p>Approximate set length: 90" 229 cm. approx.</p> <p>Approximate priming volume: 14 mL</p>	20

Gravity sets

Administration sets for use as gravity sets. All sets on this page are Latex-Free.












Gravity sets

Model #	Drops (mL)	Description	Case quantity
42000	20	 <p>Vented/non-vented gravity set and 0 injection ports. Approximate set length: 104" 264 cm. approx. Approximate priming volume: 17 mL</p>	100
42134E	60	 <p>Vented/non-vented gravity set with 1 needle-free valve port, 84" from male luer lock and 1 split septum injection site 6" from male luer lock. Approximate set length: 104" 264 cm. approx. Approximate priming volume: 17 mL</p>	100
42274E	10	 <p>Vented/non-vented gravity set with check valve and 1 needle-free valve port, 84" from male luer lock and 1 split septum injection site 6" from male luer lock. Approximate set length: 104" 264 cm. approx. Approximate priming volume: 17 mL</p>	100
82113		 <p>150mL Add-on burette with 1 injection port. Approximate set length: 22" 56 cm. approx.</p>	<div>DEHP-Free</div> 20
C42001	20	 <p>Vented/non-vented gravity set, drip chamber with 15 micron filter and 0 injection ports. Approximate set length: 90" 229 cm. approx. Approximate priming volume: 15 mL</p>	100
C42009E	20	 <p>Vented/non-vented gravity set, 1 split septum needleless injection site; 4-way stopcock, manifold with 3 one-way valves; extension set with 1 split septum injection site, 116" from male luer lock, and a needle-free valve port 4" from male luer lock. Approximate set length: 116" 295 cm. approx. Approximate priming volume: 19 mL</p>	20
C42013E	20	 <p>Vented/non-vented gravity set with check valve, 2 split septum injection sites, 6" and 60" from male luer lock; extension set, 8" with 2 one-way valves; extension set, 10", 1 needle-free valve port 6" from male luer lock. Approximate set length: 130" 330 cm. approx. Approximate priming volume: 21 mL</p>	50

Secondary administration sets

Secondary sets provide access to primary infusion sets via SmartSite® Needle-Free Valve ports, split septum needle-free injection ports and standard injection ports.






Secondary administration sets

Model #	Drops (mL)	Description	Case quantity
70027		 <p>Vented/non-vented secondary set with 18 gauge protected needle and hanger</p> <p>Approximate set length: 30" 76 cm. approx.</p> <p>Approximate priming volume: 7 mL</p>	100
72213		 <p>Vented/non-vented secondary set with 18 gauge needle and hanger.</p> <p>Approximate set length: 36" 91 cm. approx.</p> <p>Approximate priming volume: 8.5 mL</p>	100
72213N		 <p>Vented/non-vented secondary set with male luer lock and hanger.</p> <p>Approximate set length: 30" 76 cm. approx.</p> <p>Approximate priming volume: 7 mL</p>	100
9987-0000		 <p>Vented/non-vented secondary set with male luer lock and hanger.</p> <p>Approximate set length: 41" 104 cm. approx.</p> <p>Approximate priming volume: 9 mL</p>	30
9996-0000		 <p>Vented syringe adapter secondary set with microbore tubing and syringe holder.</p> <p>Approximate set length: 28" 71 cm. approx.</p> <p>Approximate priming volume: 1 mL</p>	40
C70101		 <p>Vented/non-vented secondary set, drip chamber with 15 micron filter and male luer lock.</p> <p>Approximate set length: 36" 91 cm. approx.</p> <p>Approximate priming volume: 8.5 mL</p>	30

Secondary administration sets

Secondary sets provide access to primary infusion sets via SmartSite® Needle-Free Valve ports, split septum needle-free injection ports and standard injection ports.

Secondary administration sets (DEHP-Free)

Model #	Drops (mL)	Description	Case quantity
72007N		 <p>Vented/non-vented secondary set with male luer lock and hanger.</p> <p>Approximate set length: 36" 91 cm. approx.</p> <p>Approximate priming volume: 9 mL</p>	 100
4900-0000		<p>Vented/non-vented secondary set with male luer lock and hanger</p> <p>Approximate set length: 41" 104 cm. approx.</p>	 50

Alaris® Products

Your Cardinal Health contact is:

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Medication Safety
at the Point of Care™

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News Release

FOR IMMEDIATE RELEASE

May 21, 2003

**BRIGHAM AND WOMEN'S HOSPITAL IN BOSTON IMPLEMENTS
ALARIS MEDICAL SYSTEMS' "SMART" INFUSION SYSTEM**

*THE MEDLEY™ MEDICATION SAFETY SYSTEM IS THE LATEST ADDITION TO THE HOSPITAL'S ARSENAL
OF TECHNOLOGIES TO HELP GUARD AGAINST MOST SERIOUS MEDICATION DELIVERY ERRORS*

SAN DIEGO, CA, May 21, 2003 (BW HealthWire) – ALARIS Medical Systems, Inc., a wholly owned subsidiary of ALARIS Medical, Inc. (AMEX: AMI), and Brigham and Women's Hospital of Boston, a recognized leader in patient safety, announced today the hospital's enterprise-wide implementation of the Medley™ Medication Safety System, with its proprietary Guardrails® Safety Software suite of applications. This "smart" technology helps prevent serious intravenous (IV) medication errors by providing an automatic safety net in delivering high-risk intravenous drugs at the point of care.

"Inpatient medication errors continue to be an important problem at hospitals across the country," said Dr. David Bates, Medical Director of Clinical and Quality Analysis at Brigham and Women's Hospital. "We are delighted to have the help of these 'smart pumps' at our institution, especially since they improve safety at the administration stage of the process."

A 1995 study published in the Journal of American Medical Association (JAMA) by Bates and others found that administration errors account for 38% of errors, yet only 2% of these errors are intercepted, compared with about half of ordering errors. In another study, 61% of the most serious and life-threatening potential adverse drug events (ADEs) were IV drug related¹.

The Medley™ System acts as a computer at the point of care that performs a "test of reasonableness." Its Guardrails® Safety Software examines the type and amount of medication programmed into the "smart" IV system before allowing infusion to begin. The system alerts the clinician if a programmed dose is outside pre-established limits, helping to prevent a wrong dose from being infused. This system was engineered according to Human Factors Design principles to ensure that the system is easy for clinicians to use and can work in various departments throughout a hospital.

Brigham and Women's Hospital was among the first hospitals in the country to use computers to help prevent medication errors. It began computerizing its physician orders system in 1993 and extended this capability to its outpatient clinics and centers in July 2000.

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¹ Communication with DW Bates of Brigham & Women's Hospital in Boston, October 2001.

EXHIBIT

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“We are very pleased that Brigham and Women’s Hospital, with its reputation as a real pioneer in patient safety, has chosen to integrate our ‘smart’ technology into its existing system,” said Jake St. Philip, vice president and general manager of ALARIS Medical Systems’ North American Business Unit. “The addition of our technology reflects Brigham and Women’s continued commitment to providing the highest standard of patient safety and quality care.”

“‘Smart’ infusion pumps are an important new way to help reduce medication error rates,” Dr. Bates added. “They provide a ‘safety net’ for patients and nurses in situations in which they have not previously had one.”

The Institute for Safe Medication Practices (ISMP) recently reported, "With [computerized prescriber order entry], bar coding and 'smart' infusion pumps, we may finally have a solid defense against the most serious medication errors." (*Medication Safety Alert*, February 2002)

Part of the Partners HealthCare System, Brigham and Women’s Hospital is a 725-bed hospital in Boston dedicated to serving the needs of the community and committed to providing the highest quality health care to patients and their families. Its vision is to take a leadership role in creating a premier, patient-focused, integrated health care delivery system while enhancing its tradition as a distinguished academic medical center.

About ALARIS Medical, Inc.

ALARIS Medical, Inc. (AMEX: AMI), through its wholly owned operating company, ALARIS Medical Systems, Inc., develops practical solutions for medication safety. The Company designs, manufactures and markets intravenous (IV) medication delivery and infusion therapy devices, needle-free disposables and related monitoring equipment in the United States and internationally. ALARIS Medical’s proprietary Guardrails® Safety Software, its other “smart” technologies and its “smart” services help to reduce the risks and costs of medication errors, help to safeguard patients and clinicians and also gather and record clinical information for review, analysis and transcription. The Company provides its products, professional and technical support and training services to over 5,000 hospital and health care systems, as well as alternative care sites, in more than 120 countries through its direct sales force and distributors. Headquartered in San Diego, California, ALARIS Medical employs approximately 2,900 people worldwide. Additional information on ALARIS Medical can be found at <http://www.alarismed.com>.

This news release contains forward-looking statements as defined in the Safe Harbor Provisions of the Private Securities Litigation Reform Act of 1995. Persons reading this release are cautioned that such forward-looking statements involve risks and uncertainties, including the effect of legislative and regulatory changes affecting the health care industry, the potential of increased levels of competition, technological changes, the dependence of ALARIS Medical upon the success of new products (including its proprietary Guardrails® Safety Software and the Medley™ Medication Safety System) and ongoing research and development efforts including obtaining regulatory approvals, restrictions contained in the instruments governing the Company's indebtedness, and the significant leverage to which the Company is subject. Such risk factors are detailed in the Securities and Exchange Commission filings of ALARIS Medical, Inc. and ALARIS Medical Systems, Inc., including Forms 10-K for the year ended December 31, 2002, and other filings. The Company assumes no obligation to update any forward-looking statements as a result of new information or future events or developments.

For More Information:

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FOR IMMEDIATE RELEASE

Floyd Memorial Implements “Smart” Technology to Increase Patient Safety

*ALARIS® Medical’s Medication Safety System Promotes Safer Delivery
of IV Medications at the Point of Care*

New Albany, IN – December 11, 2002 – In a move that reflects its continued commitment to providing the highest standard of patient safety and quality care, Floyd Memorial announced today that it will implement ALARIS Medical Systems® MEDLEY™ Medication Safety System and Guardrails® Safety Software. Together, the two systems are designed to reduce errors in the administration of intravenous (IV) medications.

“Patient safety is a top concern at our hospital. We have an active Patient Safety Council whose job is to evaluate our current processes and look for ways to improve the safety of our patients, visitors and staff,” said Tim Pence, director of Floyd Memorial’s Pharmacy Department. “The MEDLEY™ pumps will provide us with a means to ensure that the pump is being programmed to administer an appropriate dose therefore significantly reducing the risk of error.”

The MEDLEY™ Medication Safety System is a new modular platform for IV medication delivery that integrates infusion, patient monitoring and clinical best practice guidelines all at the

- MORE-

Add2/Floyd Memorial Installs ALARIS® Pumps

point of care. The Guardrails® Safety Software lies at the core of the Medley™ Medication Safety System. The Guardrails® Safety Software provides an automatic safety net for infusion programming at the critical point of IV medication delivery to the patient. The Guardrails® Safety Software helps protect patients from infusion programming errors by allowing hospitals to configure care-specific profiles with pre-defined drug dose limits and other delivery parameters to meet the particular needs of multiple patient care areas.

The MEDLEY™ Medication Safety System and the Guardrails® Safety Software act as an “assistant” to nurses who administer IV medications at the point of care. As a health care provider enters dosage information into the MEDLEY™ Medication Safety System, the Guardrails® Safety Software accesses the health system’s drug library and compares the order against a preset standard for minimum and maximum doses. Anything above or below the pre-established limits will result in an alert to the nurse.

“‘To err is human’ is a popular quote for a good reason,” said Chris Beeles, R.N., and clinical educator at Floyd Memorial. “No matter how many precautions we take we can never completely eliminate human error. That is where technology comes into the picture. The ALARIS® MEDLEY™ system is one of the most preferred systems according to an evaluative study performed by ECRI, a health services research agency.”

“The pumps use a configurable dose error reduction system that will not accept a dose that is not within the set minimum and maximum dose settings. It is easy to use and provides our patients with an increased level of safety,” Beeles added.

-MORE-

Add3/Floyd Memorial Installs ALARIS® Pumps

The health care industry as a whole has put new emphasis on revising patient safety programs to prevent loss of life, and to reduce length of hospital stay, litigation and negative publicity. This can be attributed in part to recently published research findings examining the issue of medication safety.

The September 9, 2002 issue of the Archives of Internal Medicine published an article entitled, "Medication Errors Observed in 36 Health Care Facilities." Among its conclusions were that medication errors occur in nearly 1 of every 5 doses given to patients in the typical hospital. This study confirms the findings from earlier reports such as the 1999 Institute of Medicine Report. Specifically, the report revealed that medical errors result in more than 50,000 deaths annually, making it the 8th leading cause of death in the U.S. Some additional estimates suggest that as many as 107,000 preventable intravenous medication errors occur each year, and that the delivery of intravenous drugs accounts for about 31 percent of all the serious and life-threatening medication errors.

ALARIS Medical Systems' medication safety systems are designed to prevent infusion administration errors at the critical point of care to protect the health and safety of the patient receiving the medication.

Floyd Memorial Hospital and Health Services is the first health care facility in the Kentuckiana area to install the ALARIS® MEDLEY™ Medication Safety System. Floyd Memorial is a 215 bed facility that provides health care services to patients throughout the southern Indiana region. In 2003, the hospital will celebrate 50 years of service. For more information on Floyd Memorial, logon to www.floydmemorial.org.

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S V M H S N E W S B U R E A U

FOR IMMEDIATE RELEASE:

SALINAS VALLEY MEMORIAL HEALTHCARE SYSTEM IMPLEMENTS NEW TECHNOLOGY TO INCREASE PATIENT SAFETY

SVMHS FIRST IN THE STATE TO IMPLEMENT MEDICATION SAFETY TECHNOLOGY

SALINAS, CA, September 17, 2002 – A new technology that automatically alerts nurses to potential medication errors, thereby improving patient safety, is being implemented at Salinas Valley Memorial Healthcare System (SVMHS). SVMHS is the first hospital in California to implement the device known as the Medley™ Medication Safety System, and the seventh nationwide. The pump, which administers drugs intravenously, uses “smart” technology to alert nurses about potential errors in administering the drug.

“It is a tremendous advance in patient safety,” said Sam Downing, President and Chief Executive Officer of Salinas Valley Memorial Healthcare System. “This technology raises the level for a new standard of safety in IV drug administration. I am proud that Salinas Valley Memorial Healthcare System can lead the way in the medical field by offering this protection to its patients.”

The new pump is used with intravenous medications, and comes with a built-in computer that monitors drug delivery for individual patients. As a nurse enters dosage information on the pump’s keypad, the pump accesses a drug library, comparing the order against a standard for minimum and maximum doses. The Guardrails® Safety Software in the pump will perform a “test of reasonableness” on how the medication delivery is programmed. Anything above or below the pre-established limits will result in an alert to the nurse.

In the face of a nationwide nursing shortage, Donna Ramos, Vice President for Patient Care Services said she believes the implementation of this cutting-edge technology will aid in nurse recruitment and retention. “The purchase of these pump units should send a strong message to our nurses that SVMHS is committed to providing the highest quality of care, and that the hospital will do whatever it takes to support our nursing staff in implementing top level patient safety practices. This device offers the safety of having an expert at the bedside, 24/7, and when you consider that the vast majority of our patients are placed on an IV pump at some point in their hospital stay, the implications are tremendous.”

“We are clearly committed to being a leader in the area of patient safety,” Downing said. “This underscores our dedication to providing innovative, high-level healthcare, and that is why securing this technology is such an important development for us as a hospital, and for the central coast community in general.”

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ALARIS[®]
MEDICAL SYSTEMS

Medication Safety
at the Point of Care[™]

News Release

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FOR IMMEDIATE RELEASE
May 19, 2003

SAN DIEGO CHILDREN'S HOSPITAL IMPLEMENTS ALARIS MEDICAL SYSTEMS' "SMART" INFUSION SYSTEM

**ADVANCED MEDICATION SAFETY TECHNOLOGY PROVIDES IMMEDIATE SOLUTION
TO HELP PREVENT PATIENT HARM**

SAN DIEGO, CA, May 19, 2003 (BW HealthWire) – ALARIS Medical Systems, Inc., a wholly owned subsidiary of ALARIS Medical, Inc. (AMEX: AMI), and Children's Hospital and Health Center of San Diego, announced today the hospital's implementation of the Medley[™] Medication Safety System with its proprietary Guardrails[®] Safety Software suite of applications. This "smart" technology helps prevent harm at the point of care by providing an automatic safety net in the delivery of intravenous (IV) drugs.

"Kids can be particularly sensitive to drugs, especially those given by IV," said Chris Abe, director of health and safety at Children's Hospital and Health Center in San Diego. "We invested in this 'smart' system because it assists in preventing inappropriate medication dosing, protects patient safety and is helping us improve our safety strategies."

The Medley[™] Medication Safety System, also called a "smart" infusion system, is a modular point-of-care computer that integrates infusion, patient monitoring and clinical best practice guidelines in a single platform for optimal outcomes. The Guardrails[®] Safety Software functions inside the ALARIS Medical Systems' "smart" intravenous infusion systems by performing a "test of reasonableness" at the point of care before allowing infusion to begin. The Guardrails[®] Software alerts the clinician when a programmed dose is outside the pre-established dosage limits for that medication, thus helping to prevent a wrong dose from being administered to the patient. The Guardrails[®] Continuous Quality Improvement (CQI) Standard Software collects all of the data, providing hospitals with actionable information that can be analyzed to improve their best practices for IV medication delivery.

Unlike other safety improvements, the ALARIS[®] Medley[™] Medication Safety System can be implemented within 90 days to help hospitals and health care institutions identify, track and most importantly, help prevent IV medication administration errors soon after the system's implementation is completed.

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“We recognize that short implementation time is critical to the hospital’s ability to provide immediate impact on patient and caregiver safety,” said Jake St. Philip, vice president and general manager of ALARIS Medical Systems’ North American Business Unit. “With the Medley™ System, we are providing hospitals with an immediate and cost-effective solution to reduce harm at the point of care. “Our Guardrails® CQI Standard Software also gives hospitals the ability to track and evaluate what is actually happening at the point of care, so the higher levels of IV medication safety can be measured immediately,” he continued.

ALARIS Medical Systems and Children’s will host a site visit to the hospital June 3 during the upcoming American Society of Health-System Pharmacists (ASHP) meeting in San Diego.

About Children’s Hospital and Health Center

Established in 1954, Children’s Hospital and Health Center is a 297-bed pediatric health system serving 12,000 inpatients and 300,000 outpatients annually in San Diego and Imperial counties. Its mission is to restore, sustain and enhance the health and developmental potential of children through a wide range of multidisciplinary health, wellness, community education and social service programs.

Pioneering work in measuring and enhancing health care for seriously ill and injured children has already earned Children’s the prestigious Ernest A. Codman Award. The Joint Commission on Accreditation of Healthcare Organizations (JCAHO) presented the award to Children’s Hospital leaders last December.

Children’s Hospital San Diego is the first pediatric hospital in the nation to win the Codman Award. Children’s Hospital was honored for developing and implementing over 60 clinical “pathways,” time-tested roadmaps for eliminating variation in treatment and providing optimal care for a wide range of illnesses and conditions that affect children.

About ALARIS Medical, Inc.

ALARIS Medical, Inc. (AMEX: AMI), through its wholly owned operating company, ALARIS Medical Systems, Inc., develops practical solutions for medication safety. The Company designs, manufactures and markets intravenous (IV) medication delivery and infusion therapy devices, needle-free disposables and related monitoring equipment in the United States and internationally. ALARIS Medical’s proprietary Guardrails® Safety Software, its other “smart” technologies and its “smart” services help to reduce the risks and costs of medication errors, help to safeguard patients and clinicians and also gather and record clinical information for review, analysis and transcription. The Company provides its products, professional and technical support and training services to over 5,000 hospital and health care systems, as well as alternative care sites, in more than 120 countries through its direct sales force and distributors. Headquartered in San Diego, California, ALARIS Medical employs approximately 2,900 people worldwide. Additional information on ALARIS Medical can be found at <http://www.alarismed.com>.

This news release contains forward-looking statements as defined in the Safe Harbor Provisions of the Private Securities Litigation Reform Act of 1995. Persons reading this release are cautioned that such forward-looking statements involve risks and uncertainties, including the effect of legislative and regulatory changes affecting the health care industry, the potential of increased levels of competition, technological changes, the dependence of ALARIS Medical upon the success of new products (including its proprietary Guardrails® Safety Software and the Medley™ Medication Safety System) and ongoing research and development efforts including obtaining regulatory approvals, restrictions contained in the instruments governing the Company's indebtedness, and the significant leverage to which the Company is subject. Such risk factors are detailed in the Securities and Exchange Commission filings of ALARIS Medical, Inc. and ALARIS Medical Systems, Inc., including Forms 10-K for the year ended December 31, 2002, and other filings. The Company assumes no obligation to update any forward-looking statements as a result of new information or future events or developments.



Medication Safety
at the Point of Care™

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News Release

FOR IMMEDIATE RELEASE
May 28, 2003

SHARP HEALTHCARE OF SAN DIEGO IMPLEMENTS ALARIS MEDICAL SYSTEMS' "SMART" INFUSION SYSTEM

**MODULAR PLATFORM OFFERS FUTURE TECHNOLOGY EXPANSION CAPABILITIES
TO BRING SAFETY AND HELP PREVENT HARM AT THE POINT OF CARE**

SAN DIEGO, CA, May 28, 2003 (BW HealthWire) – ALARIS Medical Systems, Inc., a wholly owned subsidiary of ALARIS Medical, Inc. (AMEX: AMI), and SHARP HealthCare of San Diego, announced today the hospital's implementation of the Medley™ Medication Safety System, with its proprietary Guardrails® Safety Software suite of applications. Also called a "smart" infusion system, this technology will assist SHARP HealthCare in preventing intravenous (IV) administration errors by providing an automatic safety net at the point of care to help catch potential errors before they happen.

"The Medley™ Medication Safety System is more than just a pump. It is an IV safety system designed to help prevent patient harm," said Nancy Pratt, Senior Vice President for Clinical Effectiveness at SHARP HealthCare. "We chose this modular "smart" technology because of its flexibility. We will be able to easily integrate new tools and applications as they become available since future developments will be compatible with our current platform of safe IV medication administration modules. We will have continual access to the latest patient safety innovations and still be able to maintain a simple, clean and uncluttered bedside environment. These are important factors in helping us to further decrease the risk of medication errors to our patients," she continued.

The Medley™ Medication Safety System provides flexible configuration. The modules share a common user interface and can be added or removed as needed. The system was constructed with a Human Factors Design approach to ensure that the modules would be user-friendly and easy for clinicians to operate.

"The issue of medication safety is a high priority for health care facilities nationwide. Our modular platform that offers future technology expansion capabilities, together with an immediate and cost-effective solution to help reduce harm at the point of care, is an excellent combination," said Jake St. Philip, vice president and general manager of ALARIS Medical Systems' North American Business Unit.

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SHARP HealthCare has implemented the ALARIS Medical Systems' "smart" technology in its various facilities throughout San Diego County: SHARP Chula Vista Medical Center, SHARP Coronado Hospital and Healthcare Center, Grossmont Hospital, and SHARP Mary Birch Hospital for Women. SHARP HealthCare plans to implement the technology in SHARP Memorial Hospital as well.

"This technology raises the level for a new standard of safety in IV drug administration. I am proud that SHARP HealthCare can provide this level of protection to its patients," Nancy Pratt continued.

ALARIS Medical Systems incorporates the Guardrails® Safety Software in its modular point-of-care computer, the Medley™ Medication Safety System, which integrates infusion, patient monitoring and clinical best practice guidelines in a single platform. Currently, a pump module, syringe module, and two pulse oximetry modules (Masimo® technology & Nellcor® technology) are available for the Medley™ System. A patient-controlled analgesia (PCA) module is under development and is expected to be introduced later this year (2003), in order to provide a wider spectrum of infusion technologies.

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News Release

Sparks is first in state to use new “smarter, safer” IV medication system

FORT SMITH, Ark. (March 7, 2003) – Sparks Health System is the first healthcare organization in Arkansas to acquire a new intravenous (IV) medication delivery system that uses advanced computer technology to greatly reduce opportunities for potential IV medication errors.

The new MEDLEY™ Medication Safety System, coming to Sparks from Alaris Medical Systems, Inc., is an IV pump that, with its multiple safety features, goes beyond “state-of-the-art” and “cutting-edge.”

“At Sparks, we are always looking for ways to use technology to the patient’s advantage,” said Michael D. Helm, president of Sparks Health System. “Being the first in the state of Arkansas to have such a system is a nice bonus, but this decision was really just a matter of providing better care for our patients. And that’s what we are all about.”

A built-in safety net

The Sparks standard is to have all IV medications controlled on a pump for safety, so there is no danger of freeflow. “What is so special about the MEDLEY is the Guardrails® Safety Software, one of the major factors in the decision to purchase these pumps for use throughout the Medical Center,” said Kay Rovnak, R.N., a nursing unit manager who chairs the Product Evaluation Committee at Sparks. A few areas already are using the MEDLEY pump systems, and the plan is to “phase in” their use throughout Sparks over the next six months.

Guardrails is an automatic safety net to alert nurses to some potential medication errors. Touted as the most powerful safety advance ever in IV drug administration, it protects against harm at the point of infusion delivery, helps prevent errors on critical drugs, helps protect against patient harm and promotes hospital “best-practice” guidelines, customized by care area.

A total of 10 profiles (representing separate care areas of Sparks Regional Medical Center) are programmed into each MEDLEY pump, with each profile containing information on up to 100 commonly used drugs for that profile. Dosage strength and frequency parameters also are set.

If the drug selection or dosage calculation do not line up with the profile for that care area or the guidelines for that particular drug, the IV pump control unit sounds an alarm and prompts the user as to the nature of the error. The conflict must be resolved to the satisfaction of the control unit (and the nurse) before it will allow the pump to deliver any medication.

The nurse's "assistant"

"The new pump, with the Guardrails, is an adjunct to enhance, not replace, the individual nurse's judgment," Rovnak emphasized. "It works as an 'assistant' to add another measure of safety and quality care that Sparks nurses are known for."

The following features, in addition to Guardrails, help make this pump a valuable tool to better serve patients. The system:

- Can deliver as many as four medications at one time, with each medication regulated by its own wireless module, snapped onto the main component.
- Measures blood oxygen level and pulse rate.
- Stores data inside the pump. Data may be downloaded to a computer for data retention.
- Provides a continuous scroll on the screen of the main unit, displaying the name of the drug, its concentration and its rate of infusion.
- Has a monitor that is easy to read in all lighting conditions and from a distance.

Everyone wins

"The new pumps will first be used in the OR, critical care, labor and delivery and the ER," explained Rovnak. "Then, they will be phased in on all floors throughout the Medical Center." Since very few patients are admitted to the hospital whose care can be managed by oral medications alone, almost all inpatients will benefit.

The Sparks Nursing Education staff, along with an implementation team from Alaris, will hold education sessions for nursing staff to acquaint them with the new pump and allow them time to operate it and feel comfortable and confident in its use. "The process is not difficult to learn," said Rovnak. "It's just different than the one we're using now."

"Patients can rest assured that the implementation of these pumps is a significant contribution by Sparks to enhance safe medication delivery," Rovnak added, "and patients have come to expect Sparks to lead the way in these types of advances."

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November 12, 2002

Melissa H. Allen
Director, Marketing/Public Relations
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President/CEO

FOR IMMEDIATE RELEASE

**ST. JOSEPH'S/CANDLER IMPLEMENTS
"SMART" TECHNOLOGY TO INCREASE PATIENT SAFETY**

***ALARIS MEDICAL'S MEDICATION SAFETY SYSTEM PROMOTES SAFER DELIVERY OF IV
MEDICATIONS AT THE POINT OF CARE***

Savannah, Georgia - In a move that reflects its continued commitment to providing the highest standard of patient safety and quality care, St. Joseph's/Candler has implemented the ALARIS Medical Systems® MEDLEY™ Medication Safety System and Guardrails® Safety Software. Together, the two systems are designed to reduce errors in the administration of intravenous (IV) medications.

"This product offered us the opportunity to combat one of the most common patient safety issues facing hospitals today," stated Paul P. Hinchey, President/CEO, St. Joseph's/Candler. "While there are a number of factors which contribute to medication errors, we felt that we needed to address the one which could be impacted the most rapidly and with the highest degree of success, and that was IV medications at the point of delivery to the patient. That is why this system is so successful. It helps eliminate human error and prevents incorrect medication delivery at the most important moment – at the bedside."

The MEDLEY™ Medication Safety System is a new modular platform for IV medication delivery that integrates infusion, patient monitoring and clinical best practice guidelines all at the point of care. The Guardrails® Safety Software lies at the core of the MEDLEY™ Medication Safety System. The Guardrails® Safety Software provides an automatic safety net for infusion programming at the critical point of IV medication delivery to the patient. The Guardrails® Safety Software helps protect patients from infusion programming errors by allowing hospitals to configure care-specific profiles with pre-defined drug dose limits and other delivery parameters to meet the particular needs of multiple patient care areas.

The MEDLEY™ Medication Safety System and the Guardrails® Safety Software acts as an "assistant" to nurses and clinicians that administer IV medications at the point of care. As a health care provider enters dosage information into the MEDLEY™ Medication Safety System, the Guardrails® Safety Software accesses the health systems' drug library and compares the order against a preset standard for minimum and maximum doses. Anything above or below the pre-established limits will result in an alert to the clinician.

"We are very excited about how this system will assist nurses with ensuring patient safety," said Sherry Danello, Vice President/Patient Care Services, St. Joseph's/Candler. "While we have always had checks and balances in place to help ensure that the right medication was ordered and administered, this system adds that one final check before the medication is given to the patient."

ALARIS Medical Systems' medication safety systems are designed to prevent infusion administration errors at the critical point of care to protect the health and safety of the patient receiving the medication.

St. Joseph's/Candler was the 10th hospital system in North America that contracted with the ALARIS® MEDLEY™ Medication Safety System.

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